Pathways to Performance and Success

GS GRADUATE SCHOOL USDA.

ONLINE
CERTIFICATE OF ACCOMPLISHMENT IN SECURITY MANAGEMENT

Acquire the skills you need to protect

your organization's network.

The Graduate School, USDA and Capitol College in Laurel, Maryland, have come together to offer professionals and specialists a certificate in security management.

Six online courses are taught by some of the nation's leading experts in the field of network and information security. This certificate is ideal for the IT professional or manager who needs to better understand the demands and challenges of secure networks or how to manage them.

Each eight-week course consists of a weekly two-hour, real-time session, supplemented by two-hour practice sessions. During the live class-time sessions, you simply get online and log in to listen to your instructor over streaming audio, while participating with your classmates. You can complete the courses from home or office, individually or with a group. The total class time is only four hours per week, so you participate without major disruption to your work or home life.

You may apply any three courses toward the Master of Science in Network Security from Capitol College.

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ONLINE SECURITY MANAGEMENT

Did you know that anyone—government contractors, public and private sector employees, and individuals from nonprofit organizations—can register directly for any of our courses and programs?
Join the thousands of professionals who have advanced their careers through training at the Graduate School, USDA.

FOR MORE INFORMATION OR TO REGISTER, VISIT

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SECURITY MANAGEMENT CERTIFICATE
SRTY9988T

Complete any four courses in this brochure and receive a Certificate of Accomplishment in Security Management. Develop a fundamental understanding of network systems security and how it can be integrated into your organization. You learn about detection, recovery and damage control methods as well as the laws relating to privacy. Receive live instruction from expert faculty at your home or office with these online, instructor-led courses.

NETWORK SYSTEMS SECURITY CONCEPTS
SRTY7020T   TUITION: $1,095 plus textbooks

This eight-week introductory course is a basic exploration of the definitions, concepts and issues regarding network and systems security that face organizations today. Participants examine how the concept of security – and being secure – integrates into the mission of an agency or private business. While learning the concepts, you explore the importance of user involvement, security training, ethics, trust and informed management.

January 9 – March 1, 2007
March 6 – April 26, 2007
June 26 – August 16, 2007
August 21 – October 11, 2007

SECURE INFORMATION
TRANSFER AND STORAGE
SRTY8020T   TUITION: $1,095 plus textbooks

Information is secured through various forms of cryptography. In this eight-week course, you learn the history of cryptography and the advanced cryptography of today. Study current topics such as public- and private-key algorithms, cryptographic attacks, public key infrastructure, one-way hashes and digital signatures, and additional methods to secure and transfer information.

October 31 – December 21, 2006
March 6 – April 26, 2007
May 1 – June 21, 2007
August 21 – October 11, 2007

COMPUTER FORENSICS
AND INCIDENT HANDLING
SRTY9020T   TUITION: $1,095 plus textbooks

In this eight-week course, you learn about privacy laws and rights to individual privacy and the limitations of organizations. You also discuss incident handling and how incident response teams work, and how to manage trouble tickets. You learn the basic analysis of events to determine if an incident did occur. The course concludes with computer forensics issues and rules of evidence.

January 9 – March 1, 2007
March 6 – April 26, 2007
June 26 – August 16, 2007
August 21 – October 11, 2007

INTERNAL PROTECTION
SRTY9120T   TUITION: $1,095 plus textbooks

This course explores the protections available to the practitioner through host operating systems and third-party equipment and software, to protect the inner network from the attacker who has successfully circumvented the perimeter or from the disgruntled insider. Use of methodologies including host-based intrusion detection methods, audit settings and review, PC Firewalls, host operating hardening for Linux and Windows 2000, and Virtual LANs will be reviewed.

January 9 – March 1, 2007
May 1 – June 21, 2007
June 26 – August 16, 2007

VULNERABILITY MITIGATION
SRTY9989T   TUITION: $1,095 plus textbooks

This "defense-in-depth" course provides you a detailed understanding of the need for internal and external vulnerability assessment. This course approaches the issue of hackers and hacking from the perspective of hackers trying to get into a system, including their tools and techniques. The subject matter complements Computer Forensics and Incident Handling (SRTY9020T), which covers how to detect attackers once they get into the system, and how to determine where they have been.

March 6 – April 26, 2007
May 1 – June 21, 2007
August 21 – October 11, 2007

WIRELESS NETWORK SECURITY
SRTY9990T   TUITION: $1,095 plus textbooks

This course provides you with an in-depth understanding of the security vulnerabilities in the various methods of wireless communications and their corresponding countermeasures. This course also provides training on practical methods for designing, configuring, testing and maintaining wireless networks appropriate to your organization's operating requirements. You are introduced to wireless network protocols, access modes, portable communications and computing devices, management tools, security solutions and current industry best practices for managing wireless communications in a secure environment. Case studies will be used throughout the course.

January 9 – March 1, 2007
May 1 – June 21, 2007
June 26 – August 16, 2007

If you require information about this program, activity or facility in a language other than English (or in Braille, large print, audiotape, etc.), contact the registrar of the Graduate School, USDA at (888) 744-4723.